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| Substitute for form 1449/PTO | | | | Complete if Known | |
| | | | | Application Number | 10/809,089-Conf. #7653 |
| | | | | Filing Date | March 25, 2004 |
| | | | | First Named Inventor | Andrew R. MARKS |
| | | | | Art Unit | N/A |
| | | | | Examiner Name | Not Yet Assigned |
| Sheet | 1 | of | 2 | Attorney Docket Number | 0019240.00596US1 |

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| U.S. PATENT DOCUMENTS | | | | | |
| Examiner Initials* | Cite No.* | Document Number | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number+Kind Code ² (if known) | MM-DD-YYYY | | |
| AA* | US-5,866,341 | 02-02-1999 | Spinella et al. | | |
| AB* | US-6,989,275-A1 | 01-24-2006 | Waggoner | | |
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| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | MM-DD-YYYY | | |

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| NON PATENT LITERATURE DOCUMENTS | | | | | |
| Examiner Initials* | Cite No.* | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | |
| CA** | | Bidasee et al., "Chronic Diabetes Increases Advanced Glycation End Products on Cardiac Ryanodine Receptors/Calcium-Release Channels," <i>Diabetes</i> , Vol 52, pp. 1825-1836 | | | |
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| CG** | | Eisner et al., "The Ryanodine Receptor: Cause or Consequence of Diabetic Heart Failure?," <i>J. Mol Cell Cardiol</i> , Vol 32, pp. 1377-1378 (2000) | | | |
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| CK** | | Islam et al., "Effects of caffeine on cytoplasmic free Ca2+ concentration in pancreatic β -cells are mediated by interaction with ATP-sensitive K+ channels and L-type voltage-gated Ca2+ channels but not ryanodine receptor," <i>Biochem. J.</i> , Vol. 306, pp. 679-686 (1995) | | | |
| CL** | | Islam et al., "In situ activation of the type 2 ryanodine receptor in pancreatic beta cells requires cAMP-dependent phosphorylation," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 95, pp. 6145-6150 (1998) | | | |

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| Examiner Signature | Date Considered |
| 6394496 | |

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Application Number | 10/809,089-Conf. #7653 |
| <i>(Use as many sheets as necessary)</i> | | | | Filing Date | March 25, 2004 |
| Sheet | 2 | of | 2 | First Named Inventor | Andrew R. MARKS |
| | | | | Art Unit | N/A |
| | | | | Examiner Name | Not Yet Assigned |
| | | | | Attorney Docket Number | 0019240.00596US1 |

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| CM** | Islam S., "Perspectives in Diabetes: The Ryanodine Receptor Calcium Channel of β -Cells. Molecular Regulation and Physiological Significance," <i>Diabetes</i> , Vol 51, pp. 1299-1309 (2002) |
| CN** | Johnson et al., "Ryanodine receptors in human pancreatic β cells: localization and effects on insulin secretion1," the <i>FASEB Journal</i> , Vol 18, pp. 878-880 (2004) |
| CO** | Johnson et al., "RyR2 and Calpain-10 Delineate a Novel Apoptosis Pathway in Pancreatic Islets," <i>The Journal of Biological Chemistry</i> , Vol 279, pp. 24794-24802 (2004) |
| CP** | Kang et al., "A cAMP and Ca2+ coincidence detector in support of Ca2+-induced Ca2+ release in mouse pancreatic β cells," <i>J. Physiol</i> , Vol 566, pp. 173-188 (2005) |
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| CS** | Liu et al., "Cross talk between the cAMP and Inositol Triphosphate-Signalling Pathways in Pancreatic β -Cells," <i>Archives of Biochemistry and Biophysics</i> , Vol 334, pp.295-302 (1996) |
| CT** | Mitchell et al., "Ryanodine Receptor Type I and Nicotinic Acid Adenine Dinucleotide Phosphate Receptors Mediate Ca2+ Release from Insulin-containing Vesicles in Living Pancreatic β -Cells (MIN6)," <i>The Journal of Biological Chemistry</i> , Vol 278, pp. 11057-11064 (2003) |
| CU** | Pereira et al., "Mechanisms of [Ca2+]i Transient Decrease in Cardiomyopathy of db/db Type 2 Diabetic Mice," <i>Diabetes</i> , Vol 55, pp. 608-615 (2006) |
| CV** | Shao et al., "Dysynchronous (non-uniform) Ca2+ release in myocytes from streptozotocin-induced diabetic rats," <i>Journal of Molecular and Cellular Cardiology</i> , Vol 42, pp. 234-246 (2007) |
| CW** | Takasawa et al., "Cyclic ADP-ribose and Inositol 1,4,5-Triphosphate as Alternate Second Messengers for Intracellular Ca2+ Mobilization in Normal and Diabetic β -Cells," <i>The Journal of Biological Chemistry</i> , Vol 273, pp. 2497-2500 (1998) |
| CX** | Varadi et al., "Dynamic Imaging of Endoplasmic Reticulum Ca2+ Concentration in Insulin-Secreting MIN6 Cells Using Recombinant Target Cameleons. Role of Sarco (endo) plasmic Reticulum Ca2+-ATPase (SERCA)-2 and Ryanodine Receptors," <i>Diabetes</i> , Vol 51, Suppl. 1, pp. S190-S201 (2002) |
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| CZ** | Yaras et al., "Effects of Diabetes on Ryanodine Receptor Ca Release Channel (RyR2) and Ca2+ Homeostasis in Rat Heart," <i>Diabetes</i> , Vol 54, pp. 3082-3088 (2005) |
| CA1** | Yaras et al., "Restoration of Diabetes-induced abnormal local Ca2+ release in cardiomyocytes with angiotensin II receptor blockade," <i>Am J. Physiol Heart Circ Physiol</i> , Vol 292, pp. H912-H920 (2007) |
| CB1** | Zhang et al., "Growth Hormone Promotes Ca+2-induces Ca2+ Release in Insulin-Secreting Cells by Ryanodine Receptor Tyrosine Phosphorylation," <i>Molecular Endocrinology</i> , Vol 18, pp. 1658-1669 (2004) |

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